

GLUKHOVTSEV, V.G.; ZAKHAROVA, S.V.; PETROV, A.D.

Preparation of aldehydes and ketones of the furylcyclopropane series. Izv.AN SSSR Otd.khim.nauk no.5:906-912 My '63.  
(MIRA 16:8)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.  
(Furan) (Cyclopropane)

FRETDLIN, L.Kh.; SHARP, V.A.; ARIDOV, M.A.; GLUDOVITSKY, V.G.

Study of dimethylcyclopropylcarbinol dehydration and accompanying conversions of the newly formed hydrocarbons on acidic catalysts.  
Izv. AN SSSR Ser.khim. no.10:1824-1828 1963. (MIRA 179)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

GLUKHOVTSEV, V.G.; ZAKHAROVA, S.V.

Synthesis of oxo acids and oxo esters of the furan series, Izv.  
AN SSSR Ser.khim. no.10:1874-1875 O '63. (MIRA 17:3)

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR.

GLUKHOVTSSEV, V.G., ZAKHAROVA, S.V., PETROV, A.D.

Reaction of furan alcohols and their derivatives with  
α,β-unsaturated aldehydes and ketone. Dokl. AN SSSR 151  
no.3:570-572 11 1963. (MIRA 1963)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.
2. Chlen korrespondent AN SSSR (for Petrov).  
(Furanol) (Aldehydes) (Ketones)

PETROV, A.D.; GLUKHOVSEV, V.G.; ZAKHAROVA, S.V.

Synthesis of oxo derivatives of the difuran series. Dokl.  
AN SSSR 153 no.6:1346-1349 D '63. (MIRA 17:1)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.
2. Chlen-korrespondent AN SSSR (for Petrov).



GLEKHOVTSKY, V.G.; ZAKHAROVA, S.V.; VASHENKOVA, S.V.

Synthesis of furan aldehydes containing a three-membered ring.

Izv. AN SSSR Ser. khim. no. 7:1330-1333 1964.

(CHEM 17:8)

1. Institut organicheskoy khimii imeni Zelinskogo AN SSSR.

SHVETIN, A.I.; PETR, I. (Moscow); KURATSEV, V.S.; BELITSKY, S.F.;  
KOROTKOVA, G.Y.

Synthesis of diamines and their catalytic conversion to nitrogen-  
containing five-membered heterocycles. Izv. AN SSSR, Ser. Khim. no.9:  
1682-1685, 1968, 3 refs. (MIRA 17:10)

1. Institute of Organic Chemistry, N. S. Kurnakov, AN SSSR.





GLUKHOVTSKY, V.G., ZABHAROVA, S.V., SHCHETAKOVSKIY, V.M., GAYVORONSKAYA, G.K.

Syntheses of some aricyclic acid esters. Izv. AN SSSR. Ser.  
Khim. no.10:1879-1881 O 1964. (MCRA 17:12)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

GLUKHOVTSEV, V.G.; ZAKHAROVA, S.V.

Synthesis of 2,5-bis(2-carboxyalkyl)furans. Izv. AN SSSR, Ser.  
khim. no.10:1915 © '64. (MIPA 17:12)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

1. The first part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation  $f(x) = \sum_{n=0}^{\infty} a_n x^n$ , where  $a_n$  are the coefficients of the power series.

Synthesis of a complex compound containing a lot of the same series.

- 1. The first part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation  $f(x) = \sum_{n=0}^{\infty} a_n x^n$ , where  $a_n$  are the coefficients of the power series.
- 2. The second part of the paper is devoted to the study of the properties of the function  $g(x)$  defined by the equation  $g(x) = \sum_{n=0}^{\infty} b_n x^n$ , where  $b_n$  are the coefficients of the power series.

GILKHOFFER, S. S.; (Soviet Union); 1970; 400 p. (Soviet Union)

Compendium of the Soviet Union's foreign relations, 1967-68.  
Soviet Union, 1968-69. (Soviet Union, 1968-69)

1. Soviet Union's foreign relations, 1967-68.  
2. Soviet Union's foreign relations, 1968-69.

GILKHOVTSOV, V.G.; TRESKOV, S.V.; LIPIN, A.D. (Moscow)

Synthesis of mono- and diacetals of furan dialdehydes. Dokl.  
AN SSSR 158 no.4:888-891 (1964).

RUSS 17:11)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.
2. Chlen-korrespondent AN S. S. (for review).

GILBERT, T. J., and J. L. GILBERT, 1982, *Journal of Great Lakes Research* 8:1-12.

SECRET  
NOV 1968

1. *Journal of the American Statistical Association*, 1990, 85, 1049-1054.

CHIEF OF STAFF, U.S. AIR FORCE, WASHINGTON, D.C.

MEMORANDUM FOR THE CHIEF OF STAFF, U.S. AIR FORCE, WASHINGTON, D.C.  
SUBJECT: [Illegible]

1. [Illegible]





ГЛУКHOVH, A.; ЗАРЯНОВА, С.В.

Interaction between furan derivatives and acrylic acid chloride.  
Izv. AN SSSR. Ser. khim. no.4:751-755 '65. (BIRA 13:5)

1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

GIUKHOVTSEV, V.G.; ZAKHAROVA, S.V.

Interaction of 2-methyl-5-(2'-carbochloroethyl)furan with  
polyhydric aliphatic alcohols. Izv. AN SSSR. Ser. khim. no.6:  
1096-1097 '65. (MIRA 18:6)

1. Institut organicheskoy khimii imeni Zelinskogo AN SSSR.

**"APPROVED FOR RELEASE: 09/24/2001**

**CIA-RDP86-00513R000515420010-3**

**APPROVED FOR RELEASE: 09/24/2001**

**CIA-RDP86-00513R000515420010-3"**

\_\_\_GLUKHOVTSYEV, Vsevolod Pavlovich, kandidat geologo-mineralogicheskikh nauk;  
PETROPOL'SKAYA, N.Ye., redaktor; SHCHERBAKOV, A.I., tekhnicheskii  
redaktor

[Soils of irrigated areas of the central trans-Volga region] Pochvy  
oroshayemykh massivov Srednego Zavolzh'ia. [Kuibyshev] Kuibyshevskoe  
kn-vo, 1955. 117 p. (MIRA 9:8)  
(Volga Valley--Soils)

SAZANOV, V.I.; GLUKHOVSEV, V.V

Organogenesis of double cross corn hybrids VIR-25 and VIR-42  
and their parental forms. Nauch. dokl. vys. shkoly; biol.  
nauki no.1-173-177 62. (MIRA 15:3)

1. Rekomendovana kafedroy seleksii Kuybyshevskogo sel'skokhoz-  
yaystvennogo instituta.

(CORN (MAIZE))  
(HYBRIDIZATION, VEGETABLE)



BITKINA, L.N.; FEDOSYUK, R.Ya.; LOBKOV, M.A.; MIKERINA, N.Ya.; GLUKHOVTSEVA,  
Z.N.; RUMANOVA, R.G.; VIL'SHANSKAYA, F.L.; MATVEYEVA, V.N.;  
YAMPOL'SKAYA, V.A.; VARSHAVSKIY, E.I.

Outbreak of salmonellosis. Zhur. mikrobiol. epid. i immun. 31 no.2:  
99-100 D '60. (MIRA 14:6)

(SALMONELLA)



GLUKHOYEDOV, B.; MANDRIK, A., izobretatel'

Work has been dragging along, now it is in full swing. Izobr. i  
rats. no.10:32-33 0'60. (MIRA 12:10)

1. Predsedatel' zavodskogo soveta Vsesoyuznogo obshchestva izobretateley  
i ratsionalizatorov na Kurskom zavode traktornykh zapasnykh chastei  
(for Glukhoyedov). 2. Nachal'nik Byuro sodeyratsionalizatsii i  
izobretatel'stvu (for Mandrik).  
(Kursk--Tractor industry)



OLSHOVA, V.M., kand.med.nauk (Vol.ograd)

Fractures of the clavicle in newborn children and their pre-  
vention. Feld. i skazh. 27 no.2:21-22 April. (M.L.A.8)  
(CLAVICLE--FRACTURE) (INFANTS (NEWBORN)--DISEASES)

SPENCER, V.; ZIVKOVIC, M.; STOKIC, I. VUKOB, Natalija; STENGOVIC, M.;  
GHEMAC, M.

Role of some allergenic factors in the appearance of asthma and  
allergic manifestations. Glas. Srpska akad. nauk [Med.] 17 no.  
257:119-126 '64.

WITAC, S.

New physiological method for specific determination of drugs its in-  
corporate and the inhibition of its wider application. p. 222-223  
N. 6/6. 1953 (Belgrade, Yugoslavia)

SO: Monthly List of East European Acquisitions, (F.A.), II, Vol. 4,  
No. 1 Jan. 1955, Incl.

KIMIAZ, S.

Contribution to the knowledge of the functioning of sensory cells  
in polyps; the probable effect of the nervous system. Pt I. p. 503  
(HATNIK, No. 5/6, 1963, Belgrade, Yugoslavia)

SO: Monthly list of East European Acquisitions, (D.A.), 12, Vol. 4,  
No. 1 Jan, 1964, Incl.

"APPROVED FOR RELEASE: 09/24/2001

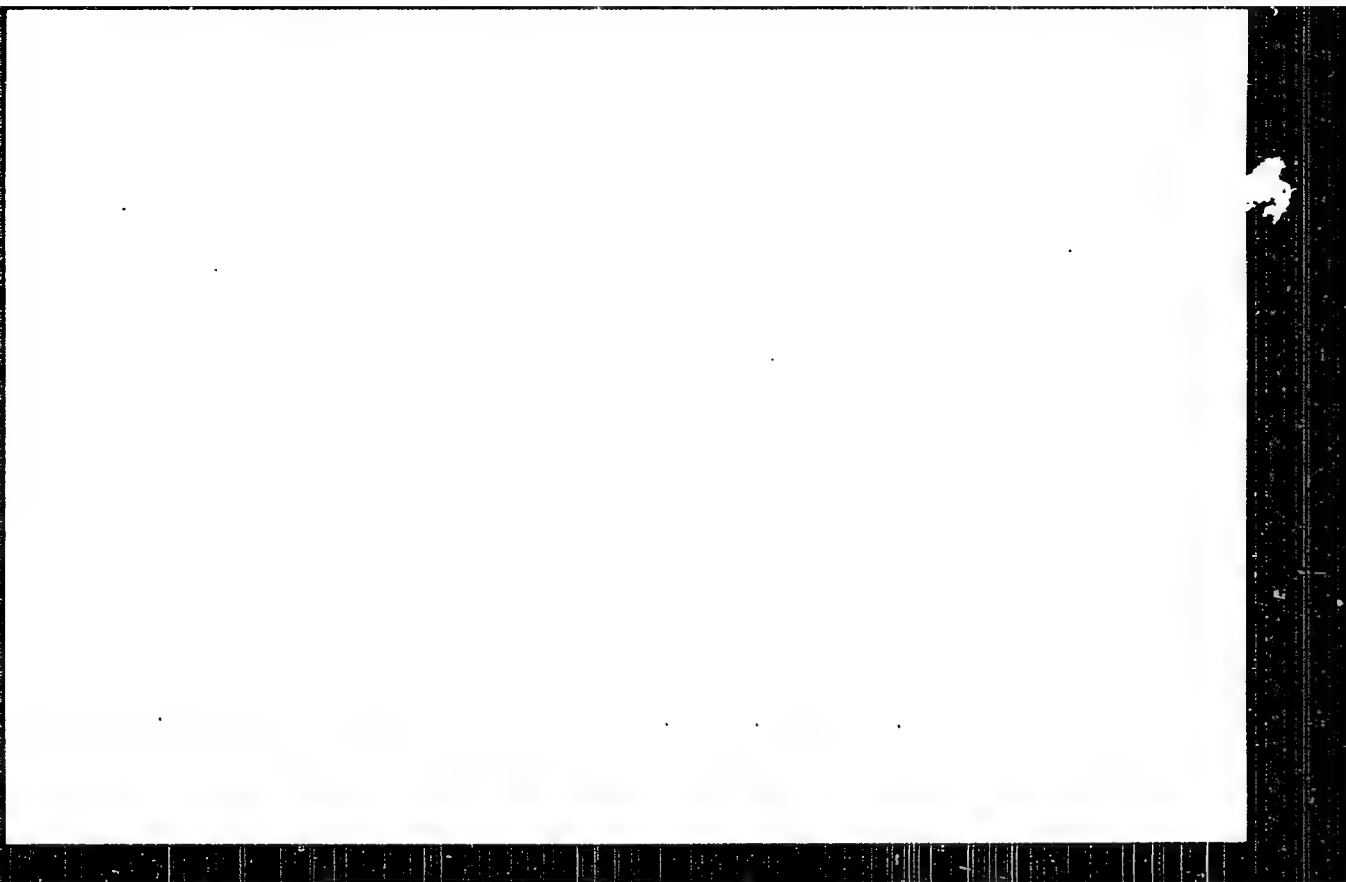
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**APPROVED FOR RELEASE: 09/24/2001**

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GLUMAC, Slobodan

Phylogenetic system of the syrphid flies (Syrphidae diptera) based upon the structure of male genitalia and the type of larvae with characteristics of the family and tribes, Glas Prirod. B no.16: 69-103 '60.

GLUMAC, Slobodan

The structure of the male genitalia of certain species of flowerflies (Syrphidae, Diptera) and their significance in phylogenetic classification. Glas Prir muz B no.12:99-167 '58.

(Syrphidae) (Diptera)

GLUMAC, V.

Glumac, V.

Observing the polar lights in Zagreb on January 21, 1949

Hrvatsko Prirodoslovno Društvo Matematičko-Fizička sekcija i astronomski sekcija  
Glasnik, Zagreb  
Vol. 4, No. 2, 1949, p.70

From: E. European Acc. List, Yugoslavia, Vol. 1, No. 7, May 1952, p.43

GLUMAC, V.

"E. Penkala, Zagreb's Aviation Pioneer". p. 141. (Prirada, Vol. 10, no. 1,  
Apr., 1953, Zagreb.)

East European Vol. 3, No. 2,  
SO: Monthly List of ~~Accessions~~ Accessions, Library of Congress, February, 1954 ~~1953~~, Uncl.

GLUMAFPCV, A.M.

Cutting tools are manufactured according to a revoked standard.  
Standardization 27 no.1:60 Ja '61, (M. 1961)

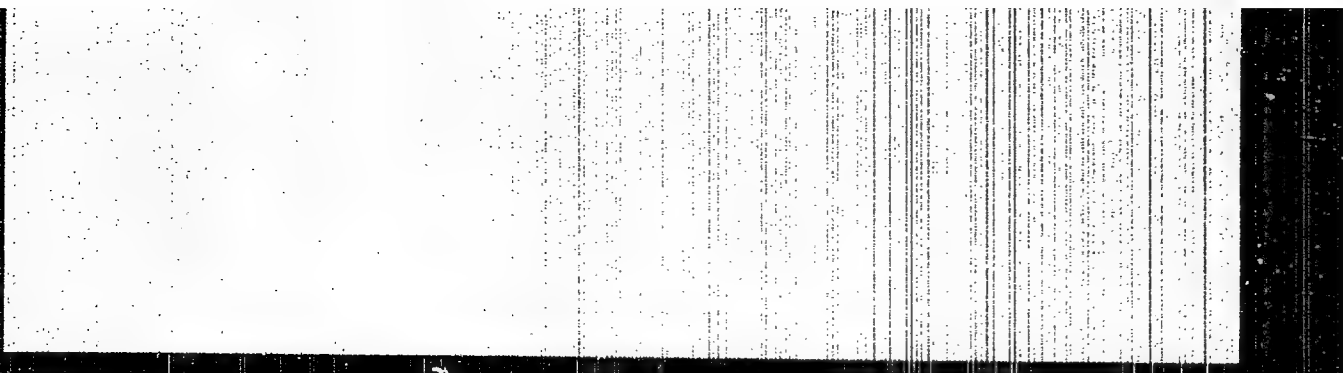
TYUTYUNNIK, V.K.; GLUMAKOV, P.G.

Recording dynamometer for mining machinery. Izv. tekhn. no. 2: 14-15  
F '61. (MIRA 14:2)

(Dynamometer)

**"APPROVED FOR RELEASE: 09/24/2001**

**CIA-RDP86-00513R000515420010-3**



**APPROVED FOR RELEASE: 09/24/2001**

**CIA-RDP86-00513R000515420010-3"**

POLAND/Plant Physiology, Respiration and Metabolism.

1-2

Abstr Jour : Bot Jour - 21 2, 26, 1957, 3, 612/56

Author : Gludinski S., Czerwinski W., Under T., Jorlan A.

Inst : Polish Botanical Society

Title : A Study of Respiration in Plants. II. The Effect of Certain Mineral Elements

Original : Acta Soc. Bot. Polon., 1957, 26, 3-5, 551-555

Abstract : Discharge of  $CO_2$  and absorption of  $O_2$  were determined in Lundeberg's apparatus during the respiratory process in the roots of wheat, corn and tomato in balanced solutions under varying conditions of the supply of  $O_2$  and of the sodium chlorides of the 3-valent  $Fe(FeCl_3)$ , nitrate of  $(FeNO_3)_3$  and sodium sulphate of  $(Na_2SO_4)$  as oxidizing agents. Additionally, this vegetation experiments in water cultures were conducted to study the effect of different doses of ferrous chloride and iron nitrate on the plant growth under varying conditions of  $O_2$  supply. The purpose was to ascertain whether the roots can utilize the ferrous chloride as a source of iron.

Cont : 1/2



L 17503-63

T-2/EWA(b)/FCS(k)/EWT(1)/BDS/EED-2/Y/0010/63/000/006/0449/0453

ACCESSION NR: AP3001828 EEO-2 ASD/APGC

AUTHOR: Glumicic, Sava (Major of the Engineering Corps, Engineer)

TITLE: Problems of fuses used for anti-aircraft defense

SOURCE: Vojnotehnicki glasnik, no. 6, 1963, 449-453

TOPIC TAGS: anti-aircraft defense, fuse, proximity fuse, time fuse

ABSTRACT: The author discusses the problems arising from the continuous increases in structural strength and increases in speed of military aircraft. The aiming of anti-aircraft devices must be fast and precise, the time of flight of projectiles must be made as short as possible, and one must use the best suited fuses. The proximity detonators seem to be most promising, and the author describes the construction and operation of such fuses using electromagnetic, acoustic, magnetic, or other forms of energy. Finally, the author briefly compares time fuses with proximity fuses.<sup>5</sup> If one assumes that the target of the timed or proximity shell is a sphere of radius R, then the hit probability is given by Formulas A of the Enclosure. The hit probability along the tangent

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1/87/

L 17503-63

ACCESSION NR: AP3001828

is equal to one in case of the proximity fuses, while it is the smallest for time fuses due to the largest scattering in that direction. Consequently, the use of proximity fuses increases the hit probability. Proximity fuses have drawbacks connected with aging, difficulties in transport, sensitivity to temperature changes and humidity, with the possibility of jamming by the enemy, etc., but the existing level of electronic know-how promises further improvements and new solutions for the proximity fuse. Orig. art. has 3 figures and 4 formulas.

ASSOCIATION: none

DATE ACQ: 1 Jul 63

ENCL: 01

SUBMITTED: 00

NO REF SOV: 000

OTHER: 000

SUB CODE: AR

Card 2/82

VASIL'YEVA, A.I.; GUMOV, A.I.; KHLONINA, N.P.; KOSTINA, T.N.;  
ALEKSANDROV, F.T., starshiy nauchnyy sotrudnik, Laureat Gosudarstvennoy  
premi

The new factories should be equipped with high-capacity carding  
machines. Tekst.prom. 22 no.4:27-29 Ap '62 (MIRA 15:6)

1. Glavnyy inzhener Cheboksarskogo khlopchatobumazhnogo kombinata  
(for Vasil'yeva). 2. Nachal'nik novostroyashcheysya pryadil'noy  
fabriki No.3 Cheboksarskogo khlopchatobumazhnogo kombinata (for  
Glumov). 3. Nachal'nik chesal'nogo tsekha novostroyashcheysya  
pryadil'noy fabriki No.3 Cheboksarskogo khlopchatobumazhnogo  
kombinata (for Khlonina). 4. Nachal'nik proizvodstvennoy nauchno-  
issledovatel'skoy laboratorii Cheboksarskogo khlopchatobumazhnogo  
kombinata (for Kostina). 5. Vsesoyuznyy nauchno-issledovatel'skiy  
institut legkogo i tekstil'nogo mashinostroyeniya (VNITekmash)  
(for Aleksandrov).

(Carding machines)

GLUMOV, G.A.

Glumov, G.A. and Krasovskiy, P.N. "The basic features of crossing species of trees in troitsk National Forest," Part III. "A series of crossings in the sides and downward sloped habitations with black earths," *Izvestiya Yestestv.-nauk. in-ta pri Molotovskom gos. un-ta im. Gor'kogo*, Vol. XII, Issue 8, 1948 p. 327-49 - Bibliog: 13 items (Parts I and II), *Uchenyye zapiski Molotovskogo gos. un-ta*, Vol. IV, Issue 2, 1945

SO: U-2888, *Letopis Zhurnal'nykh Statey*, No. 1, 1949

1. Annual Report, 1955, p. 11.
2. 1955, 1955.
3. Ural Mountain section - Ural.
4. European with Ural on the Ural side of the Ural mountain range. Ural steel, 5, No. 1, 1955.
5. Ural section - Ural.
6. Ural section - Ural.
7. Ural section - Ural.
8. Ural section - Ural.
9. Monthly List of Russian Accessions, Library of Congress, \_\_\_\_\_ 1955, Ural.

GLUMOV, G.A.; NAUGOL'NYKH, V.N.; PONOMAREV, A.N.

Perm Section of the All-Union Botanical Society. Bot. zhur. 44  
no.3:427-428 Mr '59. (MIRA 12:7)

1. Permskiy sel'skokhozyaystvennyy institut i Permskiy gosudarstvennyy  
universitet.

(Perm—Botanical societies)

GLUMOV, G.A., doctor biologicheskikh nauk

Birch groves of the trans-Ural region and their conservation.  
Okhr. priir. na Urale no.1:69-77 '60. (MIRA 14:4)  
(Siberia, Western—Birch)

GLUMOV, G.A.

Natural forests in the southern part of the trans-Ural forest  
steppe. Trudy Inst. biol. UFAN SSSR no.19:49-75 '60.

(MIRA 13:10)

(Chelyabinsk Province--Forest ecology)  
(Kazakhstan--Forest ecology)



GILM, G.A., doctor biolog. rank: 1970-1971, Y. M.

Conservation of suburban forests in the area of Galm, G.A.,  
in title no. 2: 1970-1971. (MIRA, 1970)

МУХОВ, С.А.; ПРАГОВСКИЙ, Л.Н.

Waste land vegetation of the southern forest steppe of the Trans-Ural  
region and its classification. Izv. Inst. biol. res. 1970, 12: 1-12.  
1970, 12: 1-12.

GLUNOV, G. I.

Dissertation: "Investigation of the Contemporary Dynamics of the Natural Vegetative Cover of the Southern Trans-Ural Forest Steppe." Dr Biol Sci, Inst of Botany imeni V. L. Komarov, Acad Sci USSR, Moscow Oct-Dec 53. (Vestnik Akademii Nauk, Moscow, Jun 54)

SO: SUM 318, 23 Dec 1954

GLUMOV, G.M.

Comparative role of the "horizontal" and the "vertical" connections within the cerebral hemispheres. Fiziol.zhur. 48 no.12:1437-1443 D '62. (MIRA 16:2)

1. Kafedra fiziologii cheloveka i zhivotnykh Gosudarstvennogo universiteta, Rostov-na-Donu.  
(CONDITIONED RESPONSE) (BRAIN)

GLUMOV, I.F.; DOBRYNIN, V.M.

Change in the specific electric resistance of water-saturated  
rocks when subject to rock and formation pressures. Prikl.  
geofiz. no.33:190-205 '62. (MIRA 15:10)  
(Oil sands---Permeability) (Rock pressure)  
(Tatar A.S.S.R.--Oil well logging, Electric)

DEMENT'YEV, I.F.; GLUMOV, I.F.; CHOLOVSKIY, I.P.; CHENTSOVA, G.K.

Method of determining the conditions for calculating petroleum  
reserves as exemplified by D1 horizon of one of the fields of the  
Tatar A.S.S.R. Trudy VNII no.36:167-179 '62. (MIRA 15:11)  
(Tatar A.S.S.R.--Petroleum geology)

1. The first of these is the fact that the

"The first of these is the fact that the

1. The first of these is the fact that the

GLUMOV, I.L.

USSR/Chemical Technology - Chemical Products and Their  
Application. Water treatment. Sewage water.

I-11.

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 12789

Author : Maydanovskaya L.G., Glumov I.L.

Inst : Tomsk University

Title : The Problem of Phenol Removal from Dilute Aqueous  
Solutions

Orig Pub : Uch. zap. Tomskiy un-t, 1955, No 26, 79-86

Abstract : Investigated were the different methods of removal or  
destruction of phenol (I) present in aqueous solutions,  
with the view of utilizing them for decontamination of  
phenol containing sewage water. The extraction method  
yielded good results on using cotton seed oil. Best  
sorbents were found to be activated charcoal and saw-  
dust (the latter was pretreated with  $H_2SO_4$  and  $NaOH$ ),  
Aeration and electrochemical methods did not yield sa-  
tisfactory results. Treatment of aqueous solutions of

Card 1/2

- 186 -



GRINOV, Nikolay Pavlovich. VIL'VINSKIY - 1917 - 1918.

(Golden time; reollections of living in the Kuro Valley;  
Zolotaya pora vspominaniya o zhizni v zhenitskoy derevne.  
Pervoye knizhnoye izdaniye. 1917. 111 s. (SIP: 15420010-3)

CHERNOMIR, N. I., LITVIN, Ye.A., GILYENKO, G.G.

New apparatus for HPLC chromatograph operation. Mess. 2 left.  
obor. no.8;1981 '83. (MIRA 1716)

1. Priborostroyeniye i ispol'zovanie ireshchivatel'skogo instituta.

L 20490-66 ENT(R)/EMP(R)/EMP(t) JD/HE

ACC NR: AP6002581

(A)

SOURCE CODE: UR/0286/65/000/023/0075/0075

AUTHORS: Glumov, Ye. A.; Serzhpinskiy, I. V.

ORG: none

TITLE: A hydrostatic clamp. Class 47, No. 176763

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 23, 1965, 75

TOPIC TAGS: hydraulic device, hydrostatic extrusion, explosive forming

ABSTRACT: This Author Certificate presents a hydrostatic clamp for stock in an assembly used for hydroexplosive shaping. The unit includes tapered linings mounted on the clamping circle, a cylinder with a piston mounted under the die, and a tubular shaft with a plunger concentrically positioned in respect to the cylinder (see Fig. 1). The design creates a closed system which permits the use of the clamp without the application of a constant source of pressure in the forming process. The piston is spring loaded, and the plunger is connected with a rod which moves out from the cylinder. This rod, after the application of pressure (for example, from a transportable pneumatic cylinder) is fixed in a specified position with the help of an adapter, regulating collar, washer, and nut.

Cord 1/2

UDC: 621.044.2-229.312

L 20890-66

ACC NR: AP6002581

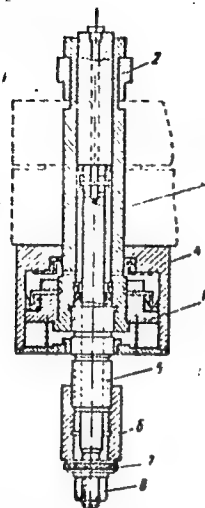


Fig. 1. 1 - piston; 2 - plunger;  
3 - rod; 4 - cylinder; 5 - adapter;  
6 - regulating collar; 7 - washer;  
8 - nut.

This creates a closed system with a constant pull of the clamp. Orig. art. has:  
1 figure.

SUB CODE: 13/ SUBM DATE: 12Aug63

Card 2/2 *CLR*

DERBEDENOVA, M.P.; KUROCHKIN, B.I.; GLUMOVA, Z.I.; ZHIGUL'SKAYA, I.F.;  
VEVOR, P.A.; BORISOVA, A.I.; LYUBART, A.M.

Diagnostic value of the determination of blood serum aldolase activity  
in Botkin's disease. Sov.med. 25 no.1:92-95 Ja '61. (MLHA 14:3)

1. Iz Virusologicheskoy laboratorii Astrakhanskoy oblastnoy sanitarno-  
epidemiologicheskoy stantsii (glavnyy vrach I.I.Troitskiy), kafedry  
mikrobiologii Astrakhanskogo meditsinskogo instituta, Bol'nitsy  
imeni Bekhtereva (glavnyy vrach V.I.Gembitskiy) i Gorodskoy sanitarno-  
epidemiologicheskoy stantsii (glavnyy vrach G.A.Gul'gaz'yants).  
(ALDOLASE) (HEPATITIS, INFECTIOUS)

AUTHOR: Glunin, V. I., Candidate of Historical Sciences 30-2-40/10

TITLE: The 30-th Anniversary of the Canton Commune (30-letie Kantonskoy Kommuny)

PERIODICAL: Vestnik Akademii Nauk SSSR, 19 2. 1957 (USSR)

ABSTRACT: On December 11, 1957, a ceremony took place at the Institute for Sinology AS USSR in commemoration of the 30th anniversary of the uprising at Guangzhou (Canton-Commune). There were present: municipal authorities of the capital, eye witnesses of the uprising, relatives of that staff of the Consulate General of the USSR at Guangzhou, which that were executed after the suppression of the uprising. Also Guo Pin, first secretary of the Chinese National Government to Moscow was present. A.G. Kramov delivered the main speech on the course of the uprising. Moreover S.A. Danilin reported on Chuan Tag-lapa, leader of the uprising. Also A.I. Chernikov, Ye.V. Golitsky and S.I. Kramov spoke of their memories of the uprising.

1. Communism-China

Card 1/1

VOYSEVODIN, Stanislav Aleksandrovich; KRUGLOV, Aleksandr Mikhaylovich;  
- GLUHIN, V.I., otv.red.; ZAKHMATOVA, M.R., red.izd-va; MEGRI-  
MOVSKAYA, R.A., tekhn.red.

[Socialist reorganization of capitalist industry and trade in the  
Chinese People's Republic] Sotsialisticheskoe preobrazovanie kapita-  
listicheskoi promyshlennosti i trgovli v Kitaiskoi Narodnoi Respub-  
like. Moskva, Izd-vo vostochnoi lit-ry, 1959. 164 p.

(MIRA 12:11)

(China--Economic policy)

OSIJEK R. J., Tee, prof. dr.; MIHAIĆ, Tomo, doc. dr.; GRGIC, Milijenko, dr.;  
GRIGORIĆ, Marijana, dr.

Changes in cardiac findings in the course of recurrent rheumatic  
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5.7/112-59-20-41"

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 20, p 14  
(USSR)

AUTHORS: Glupushkin, P.M., Yershova, A.G.

TITLE: The Use of Butyl-Rubber in Insulating and Hose Rubber

PERIODICAL: Tr. N.-i. in-ta kabel'n. prom-sti, 1959, Nr 3, pp 117-118

ABSTRACT: Vulcanized butyl-rubber is highly water- and gasproof, stable against chemical and oxygen aging, and its electric characteristics are not slightly influenced by moisture and temperature (see also RZhE, 1958, 2450, 19312). In spite of some shortcomings (a slow vulcanization process, impossibility of using sulfur-free vulcanizers, difficulty of obtaining non-porous products from extrusion presses) the use of butyl-rubber for manufacturing flexible wires and cables is of considerable interest, particularly for products intended for service in tropic climates. Rubber with a butyl-rubber base can be used as high-voltage insulation and as a nose in cables with fibre insulated cores. Results of studies of domestic butyl-rubber of various molecular weights, and the electric characteristics of insulating and

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The Use of Butyl-Rubber in Insulating and Hose Rubbers

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hose rubbers manufactured on its base are supplied. 5 references. ✓

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AUTHORS: Glupushkin, P.M., Maslennikova, A.A., Otopkova, M.A., Sidorov, A.I.

TITLE: Composition Development of Heat-Resistant Rubbers for Insulating Current-Conducting Cores in a Continuous Vulcanization Unit

PERIODICAL: Kauchuk i Rezina, 1960, No. 10, pp. 18-23

TEXT: The authors describe the **AHB**(ANV)-continuous vulcanization unit used in the USSR to vulcanize the insulation of current-conducting cores (Fig.1). The vulcanization is completed in one technological stage by the following principle: from the drum fixed on the energy source (1) the current conductor reaches the head of the worm press (2) where the rubber insulation is applied. The design of the rectangular head of the worm press assures a minimum accumulation of the rubber mixture, in order to avoid its scorching. The concentricity of the rubber casing is accomplished by a hard centering of the mandrel's and matrix's position. The insulated conductor, from the head of the worm press directly reaches the vulcanization chamber (4). The vulcanization chamber is joined to the head of the worm press by means of an input or correcting device (3) made in the form of a telescope tube having a horizontal transmission. In stopping or fixing the unit of continuous vulcanization during its functioning

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the correcting device opens; during the work the device is fixed to the head of the worm press by means of a bayonet catch. The vulcanization chamber is a sectional pipe 60-75 m long. The vulcanization of the rubber casing takes place with the cable passing in the tube at a rate of 150-200 m/min. The vulcanization medium is saturated vapor with a pressure of 15-18 atm. In order to avoid condensation of the water vapor, the vulcanization chamber has an external heater in the form of a vapor sleeve or an induction heater. In order to prevent the vapor from entering from the vulcanization chamber into the cooling pipe, several rubber linings and a metal diaphragm are placed in the middle lock (5). The vulcanized cable is cooled with water in the pipe (6) under pressure of 6-8 atm to avoid the formation of pores in the insulation. At the end of the cooling pipe an exit lock is included (7). After the reversing wheel the cable passes through an open cooling vat 10-15 m long, a blowing device (9), traction device (11), an apparatus of dry testing (12), a compensator (13) and ends up at the double receiver (14). The units are usually supplied with two sources of energy in order to insulate two current-conductors simultaneously. A special device (10) is added to the unit for checking and regulating the thickness of the rubber casing. The insulating rubbers vulcaniz-

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ed in the ANV unit must possess in addition to the usual physico-mechanical and electrical properties according to ГОСТ-2068-54 (ГОСТ-2068-54), the following specifications: 1) good spraying properties insuring the required speed for sheathing the cable and forming a smooth surface of the casing, 2) the composition of the insulating rubber must insure the formation of a vulcanizate under conditions of a 12-25 sec duration of vulcanization and 180-200°C, having optimum characteristics without scorching of the rubber mixture at the temperature of its production and spraying; 3) the insulating casing must be sufficiently stable to deformations due to compression at temperatures of up to 200°C, in order to avoid the formation of dents and compression marks; 4) colored insulating rubber is used to differentiate between the different cores in the cable during repair and thus the colored rubber intended for sheathing the cores in the ANV unit must contain heat-resistant dyes. The composition of the insulating rubber used in the ANV unit must have a vulcanizing group which would insure a high rate of vulcanization of the rubber mixture at a temperature of the saturated vapor of 180-200°C without affecting the dielectric properties of the rubber and without causing corrosion of Card 3/8.

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Composition Development of Heat-Resistant Rubbers for Insulating Current-Conducting Cores in a Continuous Vulcanization Unit

the non-tinplated copper conductor, both in the vulcanization process and during the working of the cables. It is pointed out that sulfur as the vulcanizing agent in the rubber previously used in the USSR even in quantities of 0.2 weight parts to 100 weight parts of rubber causes a noticeable corrosion of the copper conductor and lowers the heat-resistance of the rubber. Rubber with a low sulfur content has a more rapid drop of the relative elongation during heat aging than rubber containing thiuram as the vulcanizing agent (Fig. 2). In developing a composition of the rubber, the main properties taken into account were the technological properties of the mixture, the rate of vulcanization and the quality of the obtained vulcanizate. The TCM-35 (TSSh-35) rubber grade (35% raw rubber including 50% natural rubber and 50% CRB-PD (CRB-RD) was used as the base of the non-sulfurous rubber composition containing thiuram as the vulcanizing agent. It was established that with 6.0 weight parts of thiuram to 100 weight parts of the rubber the required rate of vulcanization can be achieved for the insulating of conductors in the ANV unit. However, this rubber had poor thermal aging resistance and did not

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comply with the GOST-2068-54 standard as to its heat resistance. Nitro-compounds diazo-compounds, quinones and their derivatives, dithiomorpholine, triethanolamine, dithiocarbamates were tested as accelerators, whereby the dithiocarbamates proved to be the most suitable for the conditions of the ANV unit, particularly zimate (the zinc salt of dimethyldithiocarbamine acid). This accelerator increases the rate of vulcanization of thiuram rubber at 203°C and is safe in respect to scorching. Rubbers with zimate have good heat resistance and in their dielectric properties do not fall behind insulation rubbers used in the cable-manufacturing industry. The presence of glycerol also increased the rate of vulcanization but affected the dielectric properties of the rubber due to its hydrophilic nature. Various condensation resins were tested in the composition and it was found that the greatest effect was obtained from phenol-formaldehyde resins, which not only accelerate the vulcanization of the rubber but increase its heat resistance. The greater activity of the latter is thus explained by the presence of hydroxyl groups which have an activating effect on thiuram. The combined use of 1% phenol-formaldehyde resin and 8% gliftal -1350 in the rubber lowers the fatigue of the rubber

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Composition Development of Heat-Resistant Rubbers for Insulating Current-Conducting Cores in a Continuous Vulcanization Unit

containing thiuram. Resin No. 18 was chosen as the most easily obtainable and odorless resin. In the final composition zimate, phenol-formaldehyde resin No. 18, gliftal' resin No. 1350 and glycerol were used. A number of compositions of heat-resistant rubber were developed on this base not containing sulfur and to be used as insulating material for current-conductors in units of continuous vulcanization. An evaluation method was developed based on the deformation determination for temperatures of 150-200°C. There are 7 graphs, 1 diagram and 6 English references.

ASSOCIATION: Nauchno-issledovatel'skiy institut kabel'noy promyshlennosti (Scientific Research Institute of the Cable Industry).

Card 6/8



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Conductive rubbers in cable goods. Kauch.i rez. 21 no.9:21-26  
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(Rubber--Electric properties)  
(Cables)

BELOUSSOV, Nikolay Ivanovich, inzh.; GLUSHKIN, Petr Mikhaylovich,  
kand. tekhn. nauk; KONSTANTINOV, Marsaliy Valer'yanovich,  
inzh.; PESHKOV, Izyaslav Borisovich, kand. tekhn. nauk;  
PRIVEZENTSEV, Vladimir Alekseyevich, doktor tekhn. nauk;  
TROITSKIY, Igor' Dmitriyevich, kand. tekhn. nauk;  
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and guides of bivalent metals are added.

Fig. 2

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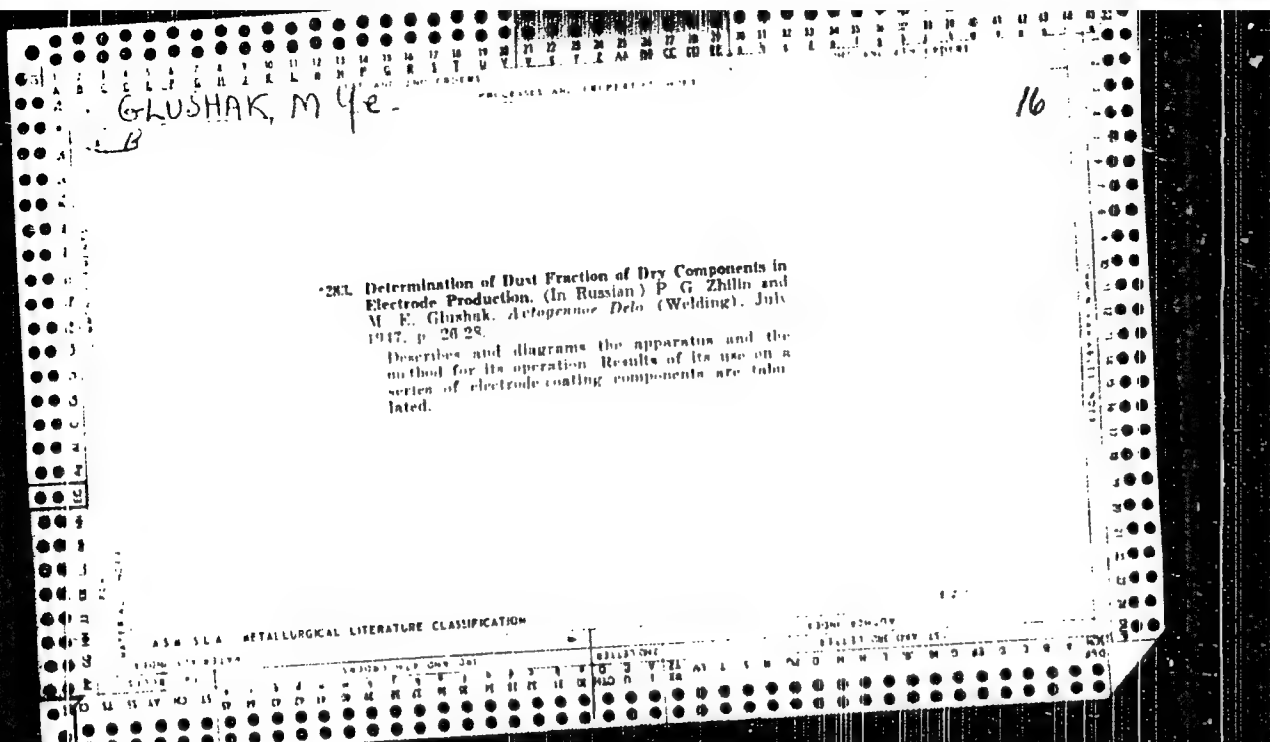
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GEOGRAPHY  
(Economics)

see ILC

L 36554-66 ENT(1)

ACC NR: AP6015760

(A, N)

SOURCE CODE: UR/0048/66/030/005/0764/0765

AUTHOR: Kabanov, A. N.; Fetisov, D. V.; Tokarev, P. D.; Glushkova, E. D.; Kushnir, Yu. M.

ORG: none

TITLE: The MESEM-A-40 electrostatic electron microscope energy analyzer /Report, Fifth All-Union Conference on Electron Microscopy held in Sumy 6-8 July 1965/

SOURCE: AN SSSR. Izvestiya, Seriya fizicheskaya, v. 30, no. 5, 1966, 764-765

TOPIC TAGS: electron microscope, electron diffraction, electron scattering, inelastic scattering, electron energy

ABSTRACT: A type MESEM-40 electrostatic electron microscope, described elsewhere by V.I.Milyutin, D.V.Fetisov, K.K.Raspletin, F.U.Spektor, and B.I.Pochtarev (Izv. AN SSSR. Ser. fiz., 23, 454 (1959)), has been modified for use as an electrostatic energy analyzer for investigation of inelastic scattering of electrons. The modified instrument can also be used as an electron diffraction camera. Two auxiliary sections were fabricated to replace the section of the MESEM-40 microscope that contains the objective, intermediate, and projection lenses. One auxiliary section is inclined and contains the condensing lens for work with electron reflection. The other auxiliary section contains the specimen holder, the mechanism for controlling the motion of the

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slit, the objective, and the analyzer lens. The accelerating potential can be continuously varied; its maximum value is 40 kV. The microscope can produce light field, dark field, and stereoscopic images at magnifications from 3000 to 11 000 and with a resolution of 40-50 Å. The energy resolution of the analyzer is 0.5-0.7 eV. The electron microscope images, electron diffraction patterns, and electron energy spectra are recorded photographically. Orig. art. has: 1 figure.

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SUBM DATE: 00/

ORIG REF: 002/

OTH REF: 003

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Adenosinetriphosphoric acid in muscles in various functional states. N. Ye. Glushakova. *Russk. Fiziol. Zh.* 15, No. 2-3, 249-50 in Russian (in English, 244-49).

The amt. of adenosinetriphosphoric acid in the same in the same muscles of both legs of rabbit, and fatigue caused its strong decrease and an accumulation of inorganic P. Training raised O<sub>2</sub> consumption, with a consequent increase in the oxidative conversion of P compounds, and raised the creatine phosphate, causing more intensive glycolysis. Favorable conditions for T resynthesis were thus created, and the decrease in fatigue was slight. Inorganic P was absent from the muscle. References: 11. G. G. G.

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Effect of industrial drainage from paper mills in Belorussian S.S.R. on open water reservoirs. N. Ye. Glushakova and T. N. Sluzko. *Invert. Zool. Nauch. Zhurn.* 1953, No. 20539. The effectiveness of water purification installations and the effect of the waste water of paper mills on the environment were studied. Rotational gas removed 64%, a drum filter with No. 70 screen removed 64%, and a filter of the millboard machine removed 26% of suspended matter. None of the devices removed bacteria. Discharge of waste water from the traps into open water reservoirs caused only an insignificant change in the oxidizability and the B.O.D. of the water, content of dissolved O<sub>2</sub>, and a noticeable increase in the content of suspended matter. A constant pollution of the river was observed only in the cases where the waste water was added by the river water not more than 30-fold. Atrial purification of waste water in settling tanks beyond the traps with a 4-hour stay in the settling tanks is recommended. H. H. Hough

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USSR/Human and Animal Physiology - The Effect of Physical  
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V-13

Abs Jour : Raf Zhur - Biol., No 2, 1958, 9218

Author : M.F. Glushakova, F.M. Laguto and M.F. Merezhinskiy

Inst : -

Title : The Level of Ascorbic Acid in the Walls of the Gastrointes-  
tinal Tract and in the Seminal Vesicles in the Burned  
Patient.

Orig Pub : Khirurgiya, 1957, No 2, 103-107

Abstract : No abstract.

Card 1/1